

APPLICATION

PERCOLATION TESTING

A 516084

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER SECURITY DEVELOPMENT, L.L.C.
P.O. BOX 417
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION HOMWOOD LOT NO. 56

ROAD AND DESCRIPTION HOMWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

SECURITY DEVELOPMENT LLC
By: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BIRBAUM

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

516084

COUNTY #

SOIL PROFILE

56B

0'
Wk rd brn
Rx ≤ 10%
CL Lm
Strong brn
hvy Lm

6'
MED Brn
beige
fine
Sand
Rx 5-10%
Bottom

56A

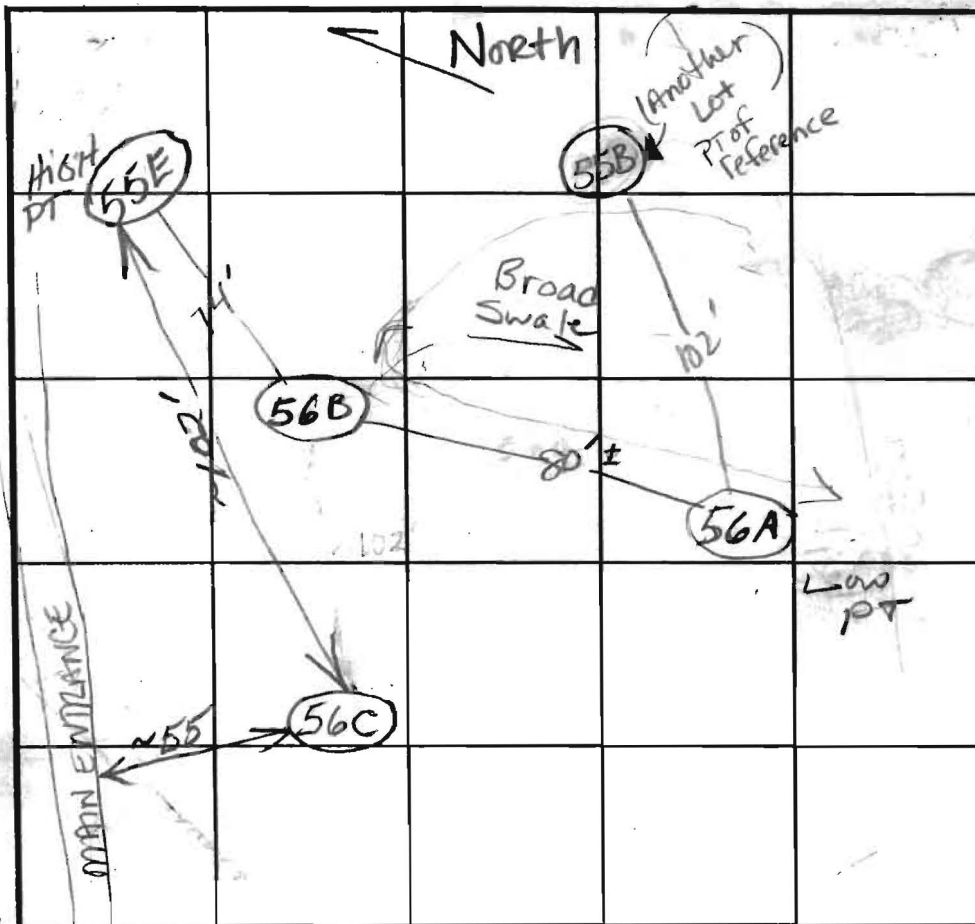
14'
Strong
RDBRN
hvy Lm -
CLm
Rx ≤ 5%
5 1/2'

Brn, Wbrn
beige
SAND
micaceous
Rx 10-15%
Bottom

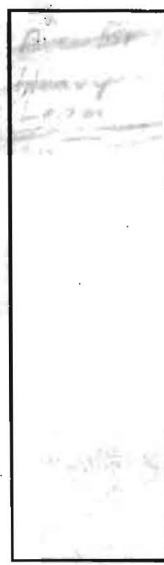
56C

14 1/2'
Red Br
Heavy Loam
3'-4'
Light Br
Gravelly
and Sa
Loam
Dense

~10%
Saprolite



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/16/02	56B	6' 5"	12:50	~ 15/16"	in 30 minutes		Slow
		7 1/2' / 14 1/2'	12:50:30	12:51:35	12:51:35	12:53:00	1 1/2 min OK
	56A	5 1/2' / 14 1/2'	12:56:00	12:59:30	12:59:30	1:05:34	~ 5 min OK
8/1/02	56C	5' / 14 5/8'	12:15	12:17:45	12:17:45	12:22:46	5 OK
		6'	12:15:15	12:16:45	12:16:45	12:18:45	2 OK
		56C Not Staked					

REMARKS: Hoks per plan 56C NOT DUG

TYPE OF SOIL

TESTED BY BB/KG ALSO PRESENT WATFIELDS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

14.5' INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

Retest 7/1
OK
OK

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TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 36

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

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THIS IS NOT A PERMIT

516084

COUNTY #

SOIL PROFILE

(186)

Red Br Loam

Tan Sa Loam

~10% Rock and Saprolite

4'

(188)

Red Br Heavy Loam

Med Red Br Sa Loam

A few Large Rocks Scattered Throughout ~30% Rock and Saprolite Pocket of >50% Rock From 10'-13'

3.5'-5'

14'

(187)

Red Br Heavy Loam

Red Br Loam

Beige and Tan Sa Loams

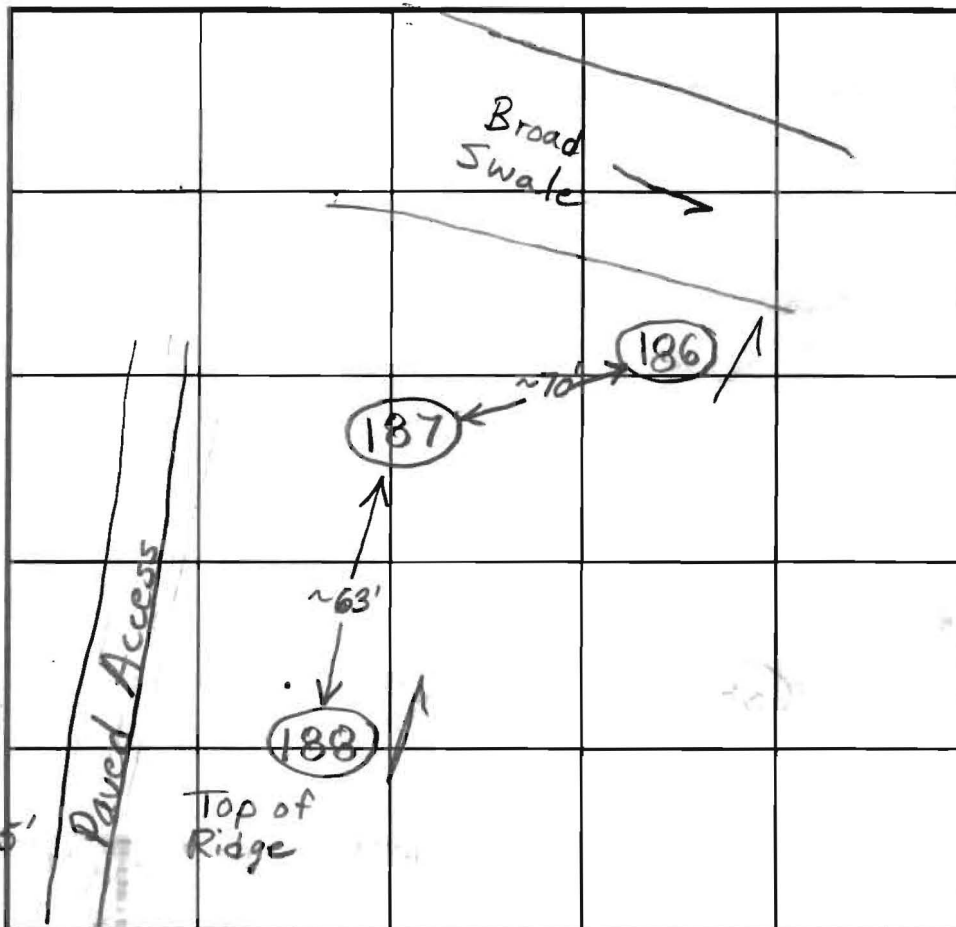
Some Si Loam Layers Down to 8'

~20% Rock and Saprolite

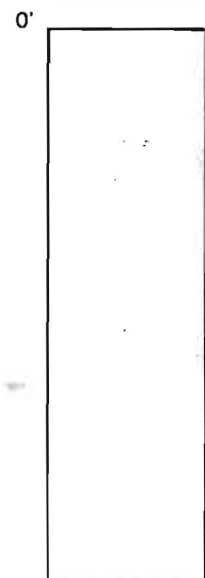
2.5'-3'

4'-5'

14.5'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/22/02	186	4.5'/13.5'	2:03	2:04:10	2:04:10	2:06:45	2 1/2	OK
		7'	2:03:15	2:04:05	2:04:05	2:05:45	1 min 40 sec	
	188	5.5'/14'	2:52:45	2:54:20	2:54:20	2:57	~2 1/2	OK
	Shallow System	7'	2:52:45	2:55:45	2:55:45	3:01:15	5 1/2	OK
	187	6'/14.5'	3:13	3:14:30	3:14:30	3:18	3 1/2	OK
		7.5'	3:13:15	3:22	3:22	3:38:30	16 1/2	OK
		4.5'	3:20	Little Movement in 15 minutes			slow	

REMARKS 188 is O.K. for system with 6' bottom

TYPE OF SOIL

TESTED BY B. Baker

ALSO PRESENT Hatfields

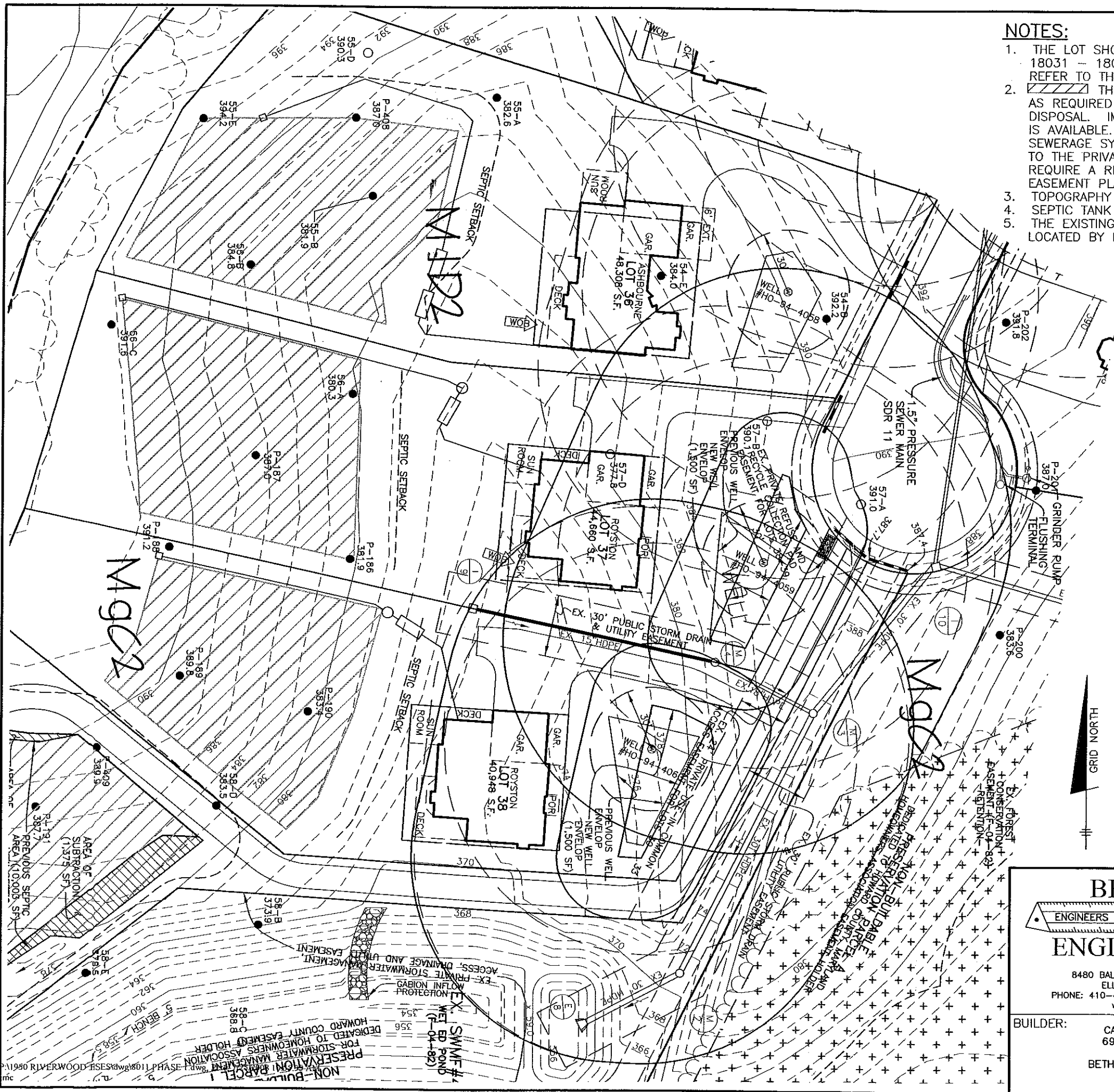
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT Nos. 18031 - 18045 OR PHASE 2, PLAT Nos. 19720 - 19726. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
4. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
5. THE EXISTING WELL SHOWN ON THIS PLAN, HO-94-4059, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

John M. Carney 7/25/08

PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Richard J. Davis 8/7/08
COUNTY HEALTH OFFICER SS DATE

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- ⊙ FIELD SURVEYED WELL LOCATION
- 7001A ● PASSED PERCOLATION TEST PER CERTIFICATION PLANS
- 402.8 ● PASSED PERCOLATION TEST PER CERTIFICATION PLANS
- 62-A ○ FAILED PERCOLATION TEST PER CERTIFICATION PLANS
- 397.1 ○ FAILED PERCOLATION TEST PER CERTIFICATION PLANS
- SM-32 ● FAILED SAND MOUND TEST PER CERTIFICATION PLANS
- 397.1 ● FAILED SAND MOUND TEST PER CERTIFICATION PLANS

BENCHMARK

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644
www.bei-civilengineering.com

BUILDER:
CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MARYLAND 20817
301-803-4929

**RIVERWOOD
LOT 37**

11234 KINSALE COURT
ELLCOTT CITY, MD 21042
TAX MAP 29, GRIDS 3, 4, 9 & 10 - PARCEL 20
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

**REVISED
PERCOLATION CERTIFICATION PLAN**

DATE:	JULY 25, 2008	PROJECT NO.	1950
SCALE:	1" = 50'	DRAWING	1 OF 1